Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/07/2020 10:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124700	-1	3.06	124823	3.03
Blue	F	SSC	125000	123916	-1	2.7	124664	2.69
Blue	E	FITC	15892	15563	-3	3.1	339	21
Blue	D	PE	29999	29119	-3	2.35	634	15.55
Blue	B	PerCP-Cy5-5	43732	43230	-2	3.98	1159	20.82
Blue	A	PE-Cy7	30845	30736	-1	6.35	590	41.6
Red	C	APC	46112	45125	-3	2.52	1596	11.95
Red	A	APC-Cy7	30458	29818	-3	2.37	788	11.99
Violet	B	V450	7918	7616	-4	4.04	436	13.19
Violet	A	V500	32171	31162	-4	3.83	729	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17060	12.97	634	13	N/A	N/A	Pass
Blue	F	SSC	57126	1.93	573	14	N/A	N/A	Pass
Blue	E	FITC	62	67.39	550	7	0.0184	171	Pass
Blue	D	PE	131	51.01	555	7	0.1357	218	Pass
Blue	B	PerCP-Cy5-5	213	51.06	662	6	0.0087	62	Pass
Blue	A	PE-Cy7	107	107.29	705	7	0.0106	26	Pass
Red	C	APC	383	24.63	587	3	0.0252	137	Pass
Red	A	APC-Cy7	174	28.05	558	2	0.0054	653	Pass
Violet	B	V450	67	55.6	458	0	0.0409	1318	Pass
Violet	A	V500	109	34.21	474	0	0.0229	839	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.30	-32.44	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	17.05	13.60 - 20.40	N/A	N/A	29.39	30.28	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9610

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments